THE MINISTER OF STATE OF THE MINISTRY OF PLANNING AND PROGRAMME IMPLEMENTATION AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI SUKH RAM): (a) As against a national target for sale of 47,000 solar cookers during 1991-92, the achievement was 54,815. In Andhra Pradesh only 507 solar cookers were sold against a target of 3,806 solar cookers.

(b) The national target for the sale of solar cooker during the year 1992-93 has been fixed at 40,000 solar cookers and for Andhra Pradesh it is 1,000 solar cookers.

(c) and (d) A number of surveys have been conducted in the country by different State nodal agencies. As per the findings of these surveys solar cooker has been found to be very useful for supplementing the cooking energy requirement.

Development of Non Conventional energy sources in Andhra Pradesh pending for approval

4790. DR. YELAMANCHILI SIVAJI: Will the PRIME MINISTER be pleased to state:

(a) what are the various proposals of Andhra Pradesh for development of Non-conventional Energy Sources pending for approval; and

(b) at what stage of consideration are these schemes; and what are the on-going projects in Andhra Pradesh?

THE MINISTER OF STATE OF THE MINISTRY OF PLANNING AND PROGRAMME IMPLEMENTATION AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI SUKH RAM): (a) and (b) Various programmes and projects for harnessing and utilisation of non-conventional energy sources are implemented through State Govt. and its Implementing Agencies in the State of Andhra Pradesh. For implementation of extension programmes, such as, Biogas, Improved Chulha, Solar Cookers and Solar Thermal Energy Systems, physical targets are fixed in consultation with the State Govt. Nodal Implementing Agency in the beginning of the year. For taking up projects under demonstration/dissemination programmes in the area of Wind energy, Mini-Micro Hydel, Solar Photovoltaic and Bio-Energy, proposals are received from various State Govts. & Nodal Implementing Agencies. Depending on total number of projects received from various States, availability of financial resources, and merits of different proposals, approval of the projects of Andhra Pradesh, under consideration, would be accorded uring the year.

While systems & devices for cooking and heating energy are generally installed in the same financial year. projects for generation of power from Mini-Micro Hydro, Wind Energy, Solar Energy and Bio-Energy take more than a year's time and their duration vary from project to project. Status of installed, on-going and under consideration projects/systems for various types of non-conventional energy systems & devices for meeting cooking & heating energy requirements and generation of power, in the State of Andhra Pradesh, is given in the attached statement. (*See* below)

Recently, the State Govt. Implementing Agency has approached the Ministry of Non-Conventional Energy Sources to consider taking-up of installation of a few more Wind Pumps, Solar Photovoltaic Pumpsets and Solar Photovoltaic Power Plant. Detiled project report is yet to be Govt.

Statement

Status of install deongoing and under consideration projects/systems of various types of non-conventional energy systems & devices in the State of Andhra Pradesh

Sl. No.	Programme	Units	Cumulative Achievement (31-3-92)	Ongoing Projects	Projects under Consideration
1.	Family size biogas plants	Nos.	1,11,682	11,000	..
2.	Community/Institutional/Night Soil Biogas Plants	Nos.	70	3	..
3.	Improved Chulhas	Nos.	9,10,580	1,15,000	..
4.	Domestic solar Water Heating Systems	Nos.	118	123	..
5.	Industrial Solar Water Heating Systems	Nos.	122	..	
6.	Solar Stills	Nos.	486	..	..
7.	Solar Timber Kilns	Nos.	2	1	..
8.	Solar Air Heaters	Nos.	2	..	..
9.	Solar Cookers	Nos.	706	..	..
10.	Photovoltaic Street lights	Nos.	2,856	..	50*
11.	Photovoltaic Water Pumps	Nos.	60	..	30*
12.	Photovoltaic Power Units	Nos.	2	2	50Kw*
13.	Photovoltaic Community Television/lights	Nos.	4	..	80
14.	Photovoltaic lanterns	Nos.	..	..	1000*
15.	Photovoltaic Domestic lighting units	Nos.	65	..	100
16.	Wind Battery Charges	Nos.	8	..	..
17.	Wind Pumps	Nos.	337	..	
18.	Wind Farms	KW	550	2000	2000
19.	Mini-Micro Hydro	KW	201	5000	
20.	Urjagram Energy Surveys	Nos.	44	8	1
21.	Urjagram Projects	Nos.	4	16	..
22.	Biomass Gasifiers/Stirling Engines	Nos.	26	1	..

*Requests from other organisations have also been forward by the Nodal Agency.